



Specification

**Mitomycin C**

**A2190**

<b>Physical Description:</b>	Solid
<b>Product Code:</b>	A2190
<b>Product Name:</b>	Mitomycin C
<b>Specifications:</b>	Assay (HPLC): min. 98 % Water (K.F.): max. 3 % supplied as mixture of 2 mg with 48 mg NaCl
<b>Hazard pictograms</b>	 
<b>UN:</b>	2811
<b>Class/PG:</b>	6.1/II
<b>ADR:</b>	6.1/II
<b>IMDG:</b>	6.1/II
<b>IATA:</b>	6.1/II
<b>WGK:</b>	3
<b>Storage:</b>	2-8°C protected from light
<b>Signal Word:</b>	Attention
<b>GHS Symbols:</b>	GHS07 GHS08
<b>H Phrases:</b>	H302 H351

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Specification

**Mitomycin C**

**A2190**

<b>P Phrases:</b>	P281
<b>Molecular Formula:</b>	$C_{15}H_{18}N_4O_5$
<b>M:</b>	334.33 g/mol
<b>CAS:</b>	50-07-7
<b>EINECS:</b>	200-008-6
<b>CS:</b>	29419000
<b>Bibliography</b> <p>(1)Hashimoto, Y. <i>et al.</i> (1982) <i>Tetrahedron Lett.</i> <b>23</b>, 677-680Structures of modified nucleotides isolated from calf thymus DNA alkylated with reductively activated Mitomycin C.</p> <p>(2)Ueda, K. &amp; Komano, T. (1984) <i>Nucleic Acids Res.</i> <b>12</b>, 6673-6683Sequence-specific DNA-damage induced by reduced Mitomycin C and 7-N-(p-hydroxyphenyl)-Mitomycin c. (3)Ueda, K. <i>et al.</i> (1984) <i>Biochemistry</i> <b>23</b>, 1634-1640Sequence specificity of heat-labile sites in DNA induced by Mitomycin C. (4)Yao, K.-S. &amp; O'Dwyer, P.J. (1995) <i>Biochem. Pharmacol.</i> <b>49</b>, 275-282Induction of DT-Diaphorase by Mitomycin C. (5)Schwartz, G.K. <i>et al.</i> (1995) <i>J. Natl. Cancer Inst.</i> <b>87</b>, 1394-1399Promotion of apoptosis by a PKC-inhibitor in mitomycin C-treated cells. (6)Baumann, R.P. <i>et al.</i> (2002) <i>BioTechniques</i> <b>32</b>, 1030-1036Mitomycin C: Novel Selection Marker for Mammalian Cell Transfection.</p>	

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